

COMMONWEALTH THECHOLOGY, INC. Environmental Consulting Division

Invoice No	o.	Amount	Project
44709		677.50	Buchanan Farm WL on Watkins Lane Treem book Y Land
44753		2,220.00	I-71@Pendleton WL reloc. Marathon to reimb.
44708		350.00	Whitaker Development Whitaker to reimb.
44707		185.92	Sligo Extension for proposed Truck Stop
44714		240.00	New Castle Water Study
44728		2,145.00	Well #6 repairs in investigation
44719		5,304.34	General Consulting 2000
44754		300.00 ✓	Galbraith Rd. water line &
44726		1,617.50	PSC case 386 WL ext policy question
44713		7,721.50	Raw water study
	TOTAL	20,761.76	





Phone: 606-276-3091 800-467-3091

Fax: 606-276-4374 email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44709

Invoice Date:

January 8, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0119G

HCWD-Buchanan Farm WL on Watkins Lane

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

a	Rate	Hours	Amount
Project Assistant	50.00	0.50	25.00
Staff Technician	45.00	9.00	405.00
Project Technician	60.00	1.00	60.00
Senior Technician	75.00	2.50	187.50
Total Engineering/Environmental Science Services	720	_	\$677.50

Invoice Total

\$677.50

Comments:

These services are for preparation of aerial plan sheets and design of water line extension for cours of thurbs

Buchannan Farm on Watkins Lane.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

.

Invoice No:

44753

Invoice Date:

January 9, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0119E

HCWD-I71@Pendleton interchange WL Reloc.

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

S VII OILLION DELONG DEL VICES	4		
, -	Rate	Hours	Amount
Senior Engineer	130.00	2.50	325.00
Project Assistant	50.00	4.00	200.00
Project Technician	60.00	2.00	120.00
Senior Technician	75.00	21.00	1,575.00
Total Engineering/Environmental Science Services			\$2,220,00

Invoice Total

\$2,220.00

Comments:

These services are for:

- --construction administration
- --coordination/communications w/Marathon Ashland
- --review and processing of Bowen pay request
- --communications/coordination with Bowen and HCWD2 staff.

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Don,
This invoice
Should be
billed to
Northan Fox
@ Marathon
Ashdond

Additional services not budgeted for in engineering budget included multiple hydraulic analyses, selection of meter recording equipment, coordination with meter recorder supplier, coordination with and assistance to HCWD2 staff about throttling valve and meter recorder installation, and field assistance with pressure recordings and Jericho tank water levels for allowing Marathon Ashland to get water service prior to installation of 16" water main on US 42 in Sligo. These services amounted to \$1,282.50.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44708

Invoice Date:

January 8, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0119F

HCWD-Whitaker Development on KY153

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

	Rate	Hours	Amount
Senior Engineer	130.00	1.00	130.00
Project Assistant	50.00	0.50	25.00
Project Technician	60.00	2.00	120.00
Senior Technician	75.00	1.00	75.00
Total Engineering/Environmental Science Services			\$350.00

Invoice Total

\$350.00

Comments:

These services are for communications/coordination with HCWD2 and Cecil Whitaker regarding PSC contract and review of contractor's bid for water line extensions to serve Whitaker development.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44707

Invoice Date:

January 8, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0119C

Sligo Extension for Proposed Truck Stop

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

Rate	Hours	Amount
50.00	0.50	25.00
60.00	1.00	60.00
75.00	1.00	75.00
3		\$160.00
		8.44
	-	17.48
		\$25.92
	50.00 60.00 75.00	50.00 0.50 60.00 1.00 75.00 1.00

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Invoice Total

\$185.92

Comments:

These services are for construction administration of water line extension on US 42 in Sligo to serve

the Marathon Ashland Truck Stop.

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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44714

Invoice Date:

January 8, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0417

HCWD-New Castle Water supply study

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

	Rate	Hours	Amount
Senior Engineer	130.00	0.50	65.00
Project Assistant	50.00	0.50	25.00
Senior Technician	75.00	2.00	150.00
Total Engineering/Environmental Science Service	s	a .e.	\$240.00

Invoice Total

\$240.00

Comments:

These services are for assistance to and coordination with New Castle's engineer (CDP) regarding additional water supply volumes to City of New Castle.

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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44728

Invoice Date:

January 8, 2001

Client No:

WOC 025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0546

HCWD-Well #6 Repairs & investigation

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

		N W S N H
Rate	Hours	Amount
85.00	4.00	340.00
130.00	13.50	1,755.00
50.00	1.00	50.00
		\$2,145.00
	85.00 130.00	85.00 4.00 130.00 13.50

Invoice Total

\$2,145.00

Comments:

These services are for:

- --indepth analysis of well no. 6 performance
- --brainstorming possible causes for problems
- --researching alternatives with pump manufacturers and suppliers
- -- coordination with biofouling expert
- --evaluating hydrogeologic findings
- --summarizing conclusions and recommendations in a letter
- --coordinating pump pulling and repairs with Reynolds, biofouling expert, and HCWD2 staff.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44719

Invoice Date:

January 8, 2001

Client No:

WOC 025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0109

HCWD-General Consulting 2000

Water System, Henry County, KY

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

San Carlotte Control of the Ca		8	
,	Rate	Hours	Amount
Staff Engineer	85.00	24.50	2,082.50
Senior Engineer	130.00	3.50	455.00
Project Assistant	50.00	2.00	100.00
Technician	30.00	2.50	75.00
Senior Technician	75.00	34.50	2,587.50
Total Engineering/Environmental Science Services			\$5,300.00
Reimbursable Expenses			
Shipping		_	4.34
Total Reimbursable Expenses			\$4.34

Invoice Total

\$5,304.34

Comments:

These services included:

--completed KPDES permit application and notice of intent to add an additional discharge point for the HCWD#2 water treatment plant

--wrote letter to neighbor (Hayer) of water treatment plant explaining what is involved in the construction of a "french drain"

-Kypipe Model:

*impact of master plan improvements #1-#3, tank refills, run times, pressures

*evaluated New Castle to Franklinton options: line, pump, control valves, Pleasureville area impact

*updated switching & valve status in existing model

*added Buck Creek pressure recordings

-evaluated master plan options, combine northwest connectors, & New Castle/Franklinton simulations

--met with HCWD key staff personnel to present ideas for groundwater remediation

-- prepared monthly progress report.

Lexington, Kentucky

Louisville, Kentucky

Baraboo, Wisconsin



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44754

Invoice Date:

January 9, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0119I

HCWD-Galbraith Rd Water line

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

ering/Environmental Science Services			
185 2	Rate	Hours	Amount
Senior Technician	75.00	4.00	300.00
Total Engineering/Environmental Science Services		98	\$300.00

Invoice Total

\$300.00

Comments:

These services are for preparation of aerial photo plan sheets, preliminary design of water line, and beginning work on property owner research for the Galbraith Road water line extension.

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email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44726

Invoice Date:

January 8, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0503

HCWD-PSC case 386 WL Ext Policy Question

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

	Rate	Hours	Amount
Senior Engineer	130.00	0.50	65.00
Technician	30.00	0.50	15.00
Senior Technician	75.00	20.50	1,537.50
Total Engineering/Environmental Science Services		i in a	\$1,617.50

Invoice Total

\$1,617.50

Comments:

These services are for researching data, communications/coordination with HCWD2 staff, and preparing PSC Questionaire for Administrative Case No. 386 required by PSC.

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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44713

Invoice Date:

January 8, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through December 31, 2000

CTI Project No: 0374

Project Mgr: DAVID DUTTLINGER

HCWD-Raw Water Study		SH	Dutte
Engineering/Environmental Science Services			· Occicosaj
	Rate	Hours	Amount
Staff Engineer	85.00	28.50	2,422.50
Senior Engineer	130.00	5.00	650.00
Proj Env Scientist	90.00	6.50	585.00
Sen Env Scientist	125.00	16.50	2,062.50
Project Assistant	50.00	1.00	50.00
Project Technician	60.00	6.00	360.00
Senior Technician	75.00	20.50	1,537.50
Total Engineering/Environmental Science Services			\$7,667.50
Reimbursable Expenses			Ψ1,007.50
Mileage			54.00
Total Reimbursable Expenses		7	\$54.00

Invoice Total

\$7,721.50

Comments:

Engineering and professional services included in this invoice are:

- --completed HCWD/Trimble County rate comparison
- --reviewed and analyzed well field test data:
- *met with Reynolds
- *calculated well field specific capacity
- *worked on system head curve for wells
- --prepared hydrogeologic evaluation for Raw Water Feasability Study
- --researched and reviewed consumer confidence reports
- -gathered information on Trimble County System Infrastructure:
 - *reviewed maps and data from KIPDA

Lexington, Kentucky

Louisville, Kentucky

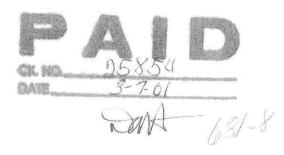
Baraboo, Wisconsin

Printed on recycled paper



CTI Environmental Consulting Division

Invoice No.	Amount	Discription
44915	650.00	2001 PWS Compliance Schedule
44885	341.29	Whitaker Development Hwy. 153 (To be reimbursed)
44886	505.00	Buchanan Farm/Watkins Lane (To be reimbursed)
444887	1,110.00	Eminence WL & Master Mtr Dsgn.
44888	1,927.50	Galbraith Rd. WL
44890	1,915.00	New Castle Water Supply Study
44892	1,202.50	PSC Case 386 WL Ext Policy
44893	800.00	Lacie Tank
44899	100.50	Lost Creek WL Development
44896	2,305.00	I71 @ Pendleton WL reloc. (To be reimbursed by Marathon)
44898	9,500.75	Well #6 repairs & investigation
44910	4,347.50	General Consulting
44866	7,644.25	Raw Water Study
44884	1,279.75	Sligo Ext/Proposed Truck Stop
44849	296.11	Henry Farms (To be reimbursed)
	\$33,925.15	



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219, US421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44915

Invoice Date:

February 14, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0344

2001 PWS Compliance Schedule/Summary

Project Mgr: MARCIA L. WOOTON

-	Rate	Hours	Amount
Senior Technician	65.00	10.00	650.00
Total Engineering/Environmental Science Services			\$650.00

Invoice Total

\$650.00



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44885

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0119F

HCWD-Whitaker Development on KY153

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

	Rate	Hours	Amount
Project Assistant	50.00	1.50	75.00
Project Technician	60.00	2.00	120.00
Senior Technician	75.00	1.50	112.50
Total Engineering/Environmental Science Services			\$307.50
Reimbursable Expenses			
. Copies/Reproductions		, 9	33.79
Total Reimbursable Expenses			\$33.79

Invoice Total

\$341.29

Comments:

These services are for preparation of bid packages and submittal to five contractors

for the waterline extensions to serve the Whitaker Development of KY 153.

ours



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44886

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0119G

HCWD-Buchanan Farm WL on Watkins Lane

Project Mgr: DOUG BALDWIN

Vy Land

Engineering/Environmental Science Services

ental Science Sci vices	Rate	Hours	Amount
Project Assistant	50.00	0.50	25.00
Staff Technician	45.00	4.00	180.00
Senior Technician	75.00	4.00	300.00

Invoice Total

\$505.00

Comments:

These services are for:

- --PVA office research
- --reconciling variances in property lines
- --establishing length of Kephart gap
- --communications with Bob Brown
- --preparation of easement for the water line extension to serve the Buchanan Farm on Watkins Lane.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44887

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0119H

HCWD-Eminence WL&Master meter design

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

ering/Environmental Science Services	Rate	Hours	Amount
Senior Engineer	130.00	1.50	195.00
Technician	30.00	0.50	15.00
Senior Technician	75.00	12.00	900.00
Total Engineering/Environmental Science Services	1.		\$1,110.00

Invoice Total

\$1,110.00

Comments:

These services are for assistance with water purchase contract negotiations between

Eminence and HCWD2.

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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44890

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0417

HCWD-New Castle Water supply study

Project Mgr: DQUG BALDWIN

	Rate	Hours	Amount
Senior Engineer	130.00	0.50	65.00
Project Assistant	50.00	1.00	50.00
Senior Technician	75.00	24.00	1,800.00

Total Engineering/Environmental Science Services

\$1,915.00

Invoice Total

\$1,915.00

Comments:

These services are for:

--hydraulic analyses to determine impact of 70 lot subdivision and impact of new tank

on US 421 by New Castle

--compute costs and compare options

--communications with New Castle engineer (CDP)

--assistance with water purchase contract for City of New Castle.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44892

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0503

HCWD-PSC case 386 WL Ext Policy Question

Project Mgr: DQUG BALDWIN

Engineering/Environment	al Science Services			
		Rate	Hours	Amount
5	Senior Engineer	130.00	3.00	390.00
	Project Assistant	50.00	0.50	25.00
Se	enior Technician	75.00	10.50	787.50
Total Engineering/	Environmental Science Services			\$1,202.50

Invoice Total

\$1,202.50

Comments:

These services are for:

--reconciling all water line extensions for years 1995-1999

--coordination with HCWD2 staff

--assistance with completing the PSC case 386 Questionaire.

ours



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44893

Invoice Date:

February 13, 2001

Client No:

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 1130

HCWD-Repaint/repair lacie tank

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services		0	
Engineering/Environmental Science Services	Rate	Hours	Amount
Senior Engineer	130.00	2.50	325.00
Project Assistant	50.00	0.50	25.00
Senior Technician	75.00	6.00	450.00
Total Engineering/Environmental Science Services			\$800.00

Invoice Total

\$800.00

Comments:

These services are for preparation of technical specifications and bidding

documents for the repair and repainting of the Lacie tank.

own



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44899

Invoice Date:

February 13, 2001

Client No:

WOC 025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 8123F

HCWD-Water Line Extensions-Lost Creek

Campbellsburg, KY

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

igineering/Environmental Science Services	Rate	Hours	Amount
Staff Engineer	67.00	1.50	100.50
Total Engineering/Environmental Science Services			\$100.50

Invoice Total

\$100.50

Comments:

These services are for review of drawings by Centerfield Engineering, communications with Bill Berry regarding engineers certification needed to be prepared, and communications/ confirmation with HCWD2 about actual field location of water line for the Lost Creek water line extension.



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HENRY COUNTY WATER DISTRICT #2

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ATTN: DON HEILMAN

Total Engineer

Invoice No:

44896

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0119E

HCWD-I71@Pendleton interchange WL Reloc.

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

	Rate	Hours	Amount
Senior Engineer	130.00	3.50	455.00
Project Assistant	50.00	2.50	125.00
Senior Technician	75.00	23.00	1,725.00
ring/Environmental Science Services			\$2,305.00

Invoice Total	\$2,305.00

Comments:

These services are for:

- --construction administration
- --review of contractor's (Bowen) pay request
- --coordination/negotiations with contractor for change order items
- --preparation of change order
- --communications/coordination with HCWD2/Marathon/Contractor for the water line relocation at Marathon Ashland truckstop.

Additional right-of-way services provided but not included in the engineering budget included the following:

- --assistance/coordination with Marathon and HCWD2 legal teams regarding water line easement description
- --assistance with resolving telephone company intent to construct junction box and pad over the installed water line. Drawings and an easement description were prepared.
- --assessed hydraulic impact of Marathon opening truck stop prior to new US 42 water line being installed. Developed response plan in the event Marathon truck stop early opening date negatively impacted HCWD2 system.

These additional services amounted to \$1087.50 and are included in invoice total.

This invoice should be forwarded to Nathan Fox of Marathon for full reimbursement.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44898

Invoice Date:

February 13, 2001

Client No:

WOC 025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0546

HCWD-Well #6 Repairs & investigation

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services		C	
	Rate	Hours	Amount
Staff Engineer	85.00	58.00	4,930.00
Senior Engineer	130.00	32.00	4,160.00
Project Assistant	50.00	2.00	100.00
Technician	30.00	0.50	15.00
Total Engineering/Environmental Science Servi	ces		\$9,205.00
Consultant Expenses Laboratory Services		*	136.00
Total Consultant Expenses			\$136.00
Reimbursable Expenses			
Mileage		,	159.75
Total Reimbursable Expenses			\$159.75

Invoice Total

\$9,500.75

Comments:

These services are for:

- --on-site removal and testing of well pump no. 6
- --laboratory analysis of well water
- --on-site tear down of existing pump at Reynolds shop in Louisville
- --research and selection of new pump replacement
- --preparation of recommendations regarding pump replacement
- --research of alternate well cleaning methods and meetings with chemical vendors
- --coordination/communications with Joe Burns (Ky Rural Water) and John Schmidt (Reynolds)
- --preparation of recommendations letter regarding well cleaning and development for raw water well no. 6.

Lexington, Kentucky

Louisville, Kentucky Printed on recycled paper

Baraboo, Wisconsin



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44910

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through January 31, 2001

CTI Project No: 1128

HCWD-General Consulting

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services			
_	Rate	Hours	Amount
Staff Engineer	85.00	14.50	1,232.50
Senior Engineer	130.00	7.00	910.00
Project Assistant	50.00	1.50	75.00
Technician	30.00	1.00	30.00
Senior Technician	75.00	28.00	2,100.00
Total Engineering/Environmental Science Services			\$4,347.50

Total Engineering/Environmental Science Services \$4,347.50

Invoice Total

\$4,347.50

Comments:

These services are for:

--preparation of monthly progress report for Board meeting

--conducted hydraulic analyses for alternate line locations, sizes, connection, etc. for master plan

--assisted with troubleshooting water loss in Vance and Lacie service areas

--prepared memo to HCWD2 files regarding water seepage at water plant

--conducted hydraulic analyses to determine "Rebate" required from developers for Magruder Shipman water line (

--researched and purchased new Henry County property maps.



Phone: 606-276-3091 800-467-3091

Fax: 606-276-4374 email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

DELEGIOTO, ICI 1001

Invoice No:

44866

Invoice Date:

February 13, 2001

Client No:

WOC025

Тонизат

LI II D

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0374 HCWD-Raw Water Study Project Mgr: DAVID DUTTLINGER

Engineering/Environmental Science Services

Engineering/Environmental Science Services			~
	Rate	Hours	Amount
Staff Engineer	85.00	24.00	2,040.00
Senior Engineer	130.00	37.50	4,875.00
Project Assistant	50.00	0.50	25.00
Project Technician	60.00	5.50	330,00
Senior Technician	75.00	4.00	300.00
Total Engineering/Environmental Science Services			\$7,570.00
Reimbursable Expenses			
Mileage *			74.25
Total Reimbursable Expenses			\$74.25

Invoice Total

\$7,644.25

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Comments:

Engineering and professional services included in this invoice are:

- --completed preliminary engineering review of current infrastructure
- --completed evaluation and review of financial statements
- --finished review of Ground Water Rule and the potential effect on Henry and Trimble

County water districts

- --evaluated seven raw water supply options including:
- *no action
- *hire additional plant operator-extend hours
- *add an additional well at the HCWD well field
- *add a new raw water main to increase the output of the existing wells
- *add a well and a new raw water main
- *install a booster pumping station in the existing raw water mains
- *use the TCWD wells to supplement the supply.
- Lexington, Kentucky
- Louisville, Kentucky
- Baraboo, Wisconsin



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44884

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0119C

Sligo Extension for Proposed Truck Stop

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

	Rate	Hours	Amount
Senior Engineer	130.00	2.00	260.00
Project Assistant	50.00	1.00	50.00
Senior Technician	75.00	12.00	900.00
Total Engineering/Environmental Science Services Reimbursable Expenses		· · · · · · · · · · · · · · · · · · ·	\$1,210.00
Mileage			69.75
Total Reimbursable Expenses			\$69.75

Invoice Total

\$1,279.75

Comments:

These services are for:

- --construction administration
- --reviewing contractor's (Bowen) pay estimate
- --preparation of change order no. 1
- --part-time on-site inspection of US42 water line extension in Sligo.

thyp to central



Phone: 606-276-3091

800-467-3091 Fax: 606-276-4374

email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44888

Invoice Date:

February 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through January 31, 2001

CTI Project No: 0119I

HCWD-Galbraith Rd Water line

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

ering/Environmental Science Services	Rate	Hours	Amount
Senior Engineer	130.00	2.00	260.00
Project Assistant	50.00	0.50	25.00
Staff Technician	45.00	19.00	855.00
Senior Technician	75.00	10.50	787.50
Total Engineering/Environmental Science Service	es		\$1,927.50

Invoice Total

\$1,927.50

Comments:

These services are for:

- -- PVA office research
- --preparation of plan sheets
- --hydraulic analysis
- --field layout of water line
- --design of water line
- --preparation of DOW submittal package for the Galbraith Road water line extension.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44849

Invoice Date:

February 8, 2001

Client No:

WOC 025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through February 8, 2001

CTI Project No: 8123R

HCWD-Henry Farms 2

Henry Farms, Section 2

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

Engineering/Environmental Science Services			
_	Rate	Hours	Amount
Project Assistant	50.00	0.50	25.00
Senior Technician	75.00	3.50	262.50
Total Engineering/Environmental Science Services			\$287.50
Reimbursable Expenses			
Shipping		· .	8.61
Total Reimbursable Expenses			\$8.61

Invoice Total

\$296.11

Comments:

These services are for review of as-built drawings, preparation of correspondence

requesting engineer's certification, transmitting documents, and project

administration task to close out project.

This is the final invoice for this project number (8123R).

N. Varm 2



Pillingue

CTI Environmental Consulting Division Billing

Invoice No.	Amount	Discription
45000	422.01	New Castle Water Supply Study
44992	7,112.50	General Consulting
44988	302.50	I-71 @ Pendleton WL Reloc. (To be reimbursed)
45002	540.00	PSC case 386 WL Ext Policy Question
44989	902.50	Whitake Development on Hwy 153 (To be reimbursed)
44993	3,475.00	Repaint/Repair Lacie Tank
44987	277.50	Sligo extension for proposed Truck Stop.
44990	1,464.14	Galbraith Road
45003	1,160.00	Well #6 Repairs & investigation
44973	4,157.50	Raw Water Study
	19,813.65	





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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44992

Invoice Date:

March 13, 2001

Client No:

WOC025

\$7,112.50

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through February 28, 2001

CTI Project No: 1128

HCWD-General Consulting

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services			
	Rate	Hours	Amount
Staff Engineer	85.00	3.50	297.50
Senior Engineer	130.00	8.00	1,040.00
Project Assistant	50.00	1.50	75.00
Senior Technician	75.00	76.00	5,700.00

Invoice Total \$7,112.50

Comments:

Engineering and professional services included in this invoice are:

- 1. State Police Post
 - *reviewed project history

Total Engineering/Environmental Science Services

- *addressed unauthorized fire vault tap w/o meter
- *discussed vault with Kevin Mussler at CMTA Engineers.
- Marathon Truckstop-downloaded and evaluated peak 8-day flowmeter data on 1" service line.
 Determined peak flows at truck stop to check compliance with the contract specified maximum peak flow of 35 gpm. This was accomplished by on-site installation and calibration of flows.

Data was compiled and assessed for results vs. contract amount.

- 3. Establish Magruder Shipman impact ratios for five proposed subdivisions.
- 4. Met with New Castle's engineer to discuss system improvements for 70-lot subdivision. Assisted Berry Baxter with revising contract. Also conducted hydraulic analysis for New Castle proposed improvements, i.e. new tank.
- 5. Water Plant Seepage
 - *received permit from DOW for secondary discharge point for groud water discharge
- *met with neighbors across from the water plant and agreed on a location and easement for water drainage
 - *drafted description of easement location.

Lexington, Kentucky

Louisville, Kentucky

Baraboo, Wisconsin

Printed on recycled paper



Project No: 1128 HCWD-General Consulting 2526 Regency Road Lexington, KY 40503-2921 Phone: 606-276-3091

800-467-3091 Fax: 606-276-4374 email: fyi@ctienv.com

> Invoice No: 44992 March 13, 2001

> > Page 2

6. Magruder-Shipman Line Improvements:

*calculated impacts that proposed Pollard Subdivision would have on Cropper area line improvements

*compared pre and post Magruder line pressures for impact analysis

*compared KYPIPE runs before and after line improvements, and with/without fireflow

at Cropper school. Used data to establish proration basis for developments in Cropper/Elmburg area.

- 7. Public Service Commission: reviewed all 1999 and 2000 projects to compare to inventory and proposed lines in KYPIPE model. Required for annual PSC report.
- 8. Accountants Inventory: compiled and transmitted 2000 water inventories to Sherry Blair, CPA, needed for accountant's report.
- 9. KIPDA-setup spreadsheet for proposed HCWD projects/improvements to submit to Water Advisory Council.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44990

Invoice Date:

March 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0119I

HCWD-Galbraith Rd Water line

Project Mgr: DOUG BALDWIN

20

Engineering/Environmental Science Services	Rate	Hours	Amount
Senior Engineer	130.00	5.50	715.00
Project Assistant	50.00	1.00	50.00
Senior Technician	75.00	9.00	675.00
Total Engineering/Environmental Science Services			\$1,440.00
Reimbursable Expenses			
Copies/Reproductions			24.14
Total Reimbursable Expenses			\$24.14

Invoice Total

\$1,464.14

Comments:

These services are for preparation of plans/specification, preparation of submittal package to Division of Water; communications and coorespondence with KY Rural Water, Division of Water, and HCWD2 regarding the line size and available flushing velocity; and hydraulic analyses to determine the available flushing volume and velocities for the proposed water line extension on Galbraith Road.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

44973

Invoice Date:

March 12, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0374

HCWD-Raw Water Study

Project Mgr: DAYID DUTTLINGER

Engineering/Environmental Science Services	::		0
	Rate	Hours	Amount
Staff Engineer	85.00	21.50	1,827.50
Senior Engineer	130.00	13.50	1,755.00
Project Assistant	50.00	11.50	575.00
Total Engineering/Environmental Science Services			\$4,157.50

\$4,157.50

Comments:

Engineering and professional services included in this invoice are:

- --completed Draft Raw Water Feasibility Study. Draft report was reviewed and edited.
- --completed project cost estimates for new well, raw water main, use of Trumble

County Wells and booster pump station

- --completed Executive Summary
- --met to discuss benefits and drawbacks of all considered alternatives.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

45003

Invoice Date:

March 13, 2001

Client No:

WOC 025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0546

HCWD-Well #6 Repairs & investigation

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services			
	Rate	Hours	Amount
Staff Engineer	85.00	8.00	680.00
Senior Engineer	130.00	3.50	455.00
Project Assistant	50.00	0.50	25.00
Total Engineering/Environmental Science Services			\$1,160.00

Invoice Total	\$1,160.00
	and carried was

Comments:

These services are for:

- --on-site inspection of well cleaning and rehabilitation methods
- --communications/correspondence with HCWD and Reynolds regarding status of well

cleaning and pump replacement

--preparation of recommendation letter for well cleaning method of raw water well no. 6.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44987

Invoice Date:

March 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0119C

Sligo Extension for Proposed Truck Stop

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

ering/Environmental Science Services	Rate	Hours	Amount
Senior Engineer	130.00	0.50	65.00
Project Assistant	50.00	0.50	25.00
Senior Technician	75.00	2.50	187.50
Total Engineering/Environmental Science Services			\$277.50

Invoice Total

\$277.50

Comments:

These services are for construction administration of the US42 water line extension

(16" main constructed by Bowen).



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email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44993

Invoice Date:

March 13, 2001

Client No:

Terms:

Payable Upon Receipt

For professional services, not previously billed, through February 28, 2001

CTI Project No: 1130

HCWD-Repaint/RepairLacieTank

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services		0	
	Rate	Hours	Amount
Senior Engineer	130.00	12.50	1,625.00
Project Assistant	50.00	13.00	650.00
Senior Technician	75.00	16.00	1,200.00
Total Engineering/Environmental Science Services			\$3,475.00

Invoice Total

\$3,475.00

Comments:

These services are for design and preparation of specifications for the repair and

repainting of Lacie Tank; and preparation of submittal package to Ky Div. of Water for approval.



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800-467-3091 Fax: 606-276-4374

email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

45002

Invoice Date:

March 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0503

HCWD-PSC case 386 WL Ext Policy Question

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services

Rate	Hours	Amount
130.00	0.50	65.00
50.00	0.50	25.00
75.00	6.00	450.00
S		\$540.00
	130.00 50.00	130.00 0.50 50.00 0.50 75.00 6.00

Invoice	Total
---------	-------

\$540.00

Comments:

These services are for:

--reconciling records for 1997-1999 water line extensions

--revising PSC questionaire response based on PSC Ruling dated 2/13/01

--completing questionaire form per PSC Case 386.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

45000

Invoice Date:

March 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0417

HCWD-New Castle Water supply study

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services			
	Rate	Hours	Amount
Project Assistant	50.00	0.50	25.00
Senior Technician	75.00	4.50	337.50
Total Engineering/Environmental Science Services			\$362.50
Reimbursable Expenses		_	59.51
Total Reimbursable Expenses			\$59.51
	Invoice To	otal _	\$422.01

Comments:

These services are for preparation for and attendance at meeting with New Castle regarding new water purchase contract, proposed improvements, and impact of 70 lot subdivision planned in New Castle.



Phone: 606-276-3091

800-467-3091 Fax: 606-276-4374

email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

44989

Invoice Date:

March 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0119F

HCWD-Whitaker Development on KY153

Project Mgr: DOUG BALDWIN

Engineering	MENVIRONMENTAL Science Services			
		Rate	Hours	Amount
	Senior Engineer	130.00	3.00	390.00
	Project Assistant	50.00	0.50	25.00
	Senior Technician	75.00	6.50	487.50

Total	Engineering/Environmental	Science	Services

\$902.50

Invoice Total

\$902.50

Comments:

These services are for preparation of bid packages to contractors, review of contractor's bids, and communications/correspondence with HCWD2, Berry Baxter, and Cecil Whitaker regarding award of construction contract for the water line extensions to serve the proposed Whitaker Development.



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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

44988

Invoice No: Invoice Date:

March 13, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through February 28, 2001

CTI Project No: 0119E

HCWD-I71@Pendleton interchange WL Reloc.

Project Mgr: DOUG BALDWIN

Engineering/Environmental Science Services		0	
	Rate	Hours	Amount
Senior Engineer	130.00	0.50	65.00
Project Assistant	50.00	1.00	50.00
Senior Technician	75.00	2.50	187.50
Total Engineering/Environmental Science Services			\$302.50

Invoice Total	\$302.50

Comments:

These services are for:

- 1. Construction administration and review of contractor's pay estimate for the water line relocation at Marathon Ashland Truck Stop.
- 2. Additional engineering services provided in regard to easement acquisition and coordination with Marathon Ashland and HCWD2 legal teams amounted to \$112.50. These services are included in the invoice total amount.
- 3. This invoice should be forwarded to Nathan Fox of Marathon Ashland for reimbursement.



COMMONWEALTH TECHNOLOGY, INC

45098	2,868.00	Raw water Study
45090	312.53	Whitaker Development (Reimburseable)
45093	12,236.65	General Consulting
45094	381.14	Lacie Tank
TOTAL	15,798.32	





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HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

45094

Invoice Date:

April 9, 2001

Client No:

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through March 31, 2001

CTI Project No: 1130

Project Mgr: DOUG BALDWIN

HCWD-Repaint/RepairLacieTank		91911	+limoen
Engineering/Environmental Science Services	i.e		8
	Rate	Hours	Amount
Senior Engineer	130.00	1.00	130.00
Project Assistant	50.00	2.50	125.00
Total Engineering/Environmental Science Services			\$255.00
Reimbursable Expenses			
Copies/Reproductions			122.38
Shipping			3.76
Total Reimbursable Expenses	=		\$126.14
	Invoice To	otal	\$381.14

Comments:

These services are for design and preparation of specifications for the repair and repainting of Lacie Tank; and preparation of submittal package to Ky Div. of Water for approval.



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email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

CAMPBELLSBURG, KY 40011

Invoice No:

45098

Invoice Date: Client No:

April 9, 2001

WOC025

Terms:

Payable Upon Receipt

ATTN: DON HEILMAN

For professional services, not previously billed, through March 31, 2001

CTI Project No: 0374

HCWD-Raw Water Study

Project Mgr: DAVID DUTTLINGER

b ^e		()
Rate	Hours	Amount
85.00	25.00	2,125.00
130.00	2.50	325.00
50.00	5.50	275.00
S		\$2,725.00
		115.50
		27.50
		\$143.00
	85.00 130.00	85.00 25.00 130.00 2.50 50.00 5.50

Invoice Total

\$2,868.00

Comments:

Engineering and professional services included in this invoice are:

--coordinated final revisions for Raw Water Study with key staff personal

--performed final technical and cost effectiveness review

--transmitted report and prepared copies for distribution.



Phone: 606-276-3091

800-467-3091 Fax: 606-276-4374 email: fyi@ctienv.com

HENRY COUNTY WATER DISTRICT #2

PO BOX 219

US 421

CAMPBELLSBURG, KY 40011

ATTN: DON HEILMAN

Invoice No:

45090

Invoice Date:

April 9, 2001

Client No:

WOC025

Terms:

Payable Upon Receipt

For professional services, not previously billed, through March 31, 2001

CTI Project No: 0119F

HCWD-Whitaker Development on KY153

Project Mgr: DOUG BALDWIN

27

Rate	Hours	Amount
130.00	0.50	65.00
50.00	1.50	75.00
75.00	2.00	150.00
		\$290.00
	~	22.53
		\$22.53
	130.00 50.00	130.00 0.50 50.00 1.50

Invoice Total

\$312.53

Comments:

These services are for communications/correspondence with Developer, Berry Baxter, and HCWD2 re previous bids and award of construction contract; and preparaed new bid solicitation package to contractors for Whitaker Farms water line extension.